

Selenozyme AB

559250-2271

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A Working Lab - Campus Solna

www.selenozyme.com

Product Specification

Product No.	MGPX3-05 (-1, -2.5, -5)
Lot No.	MGPX3220413
Product Description:	Recombinant Mouse Glutathione Peroxidase 3 (Non-tagged, signal peptide removed, 202 residues) 0.5 (1, 2.5, 5) Units, ca 50 (100, 250, 500) µg protein stored in 25 mM Tris-HCl (pH 8.0) with 250 mM KCl, 2 mM 2-Mercaptoethanol and 10% glycerol. Concentration 1 mg/mL.
Specifications:	1 U of enzyme consumes 1 µmol GSH per min in a Glutathione Reductase-coupled GPx assay containing 1 mM GSH, 0.5 mM Cumene Hydroperoxide, 15 nM Human Glutathione Reductase and 0.5 mM NADPH in TE buffer (50 mM Tris-HCl, 2 mM EDTA, pH 7.5)
References:	Cheng Q, Arnér ES. (2017) Selenocysteine Insertion at a Predefined UAG Codon in a Release Factor 1 (RF1)-depleted Escherichia coli Host Strain Bypasses Species Barriers in Recombinant Selenoprotein Translation. <i>J Biol Chem.</i> 292:5476-5487.
Storage:	Shipped in cold pack by courier service. Store at -20° C upon delivery.
Examples of Use:	Glutathione Reductase-coupled GPx assay; Inhibitor screening; etc.
NOTE!	Centrifuge the tube briefly before opening the lid
Purity and Gel Analysis:	Purity is ≥ 95% as judged by gel analysis

